NASA Procedural Requirements

NPR 8705.6B
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COMPLIANCE IS MANDATORY

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Request Notification of Change (NASA Only)

Subject: Safety and Mission Assurance (SMA) Audits, Reviews, and Assessments

Responsible Office: Office of Safety and Mission Assurance

Appendix C. Table of SMA Requirements Documents and Associated Audits, Reviews, and Assessments

Requirements Document	IFO Safety Audit	QAAR	REDAA-Center Requirement Flow Down	REDAA - Design Engineering Reviews
NPD 8700.1, NASA Policy for Safety and Mission Success	X	X	X	X
NPD 8700.3, Safety and Mission Assurance (SMA) Policy for NASA Spacecraft, Instruments, and Launch Services			X	X
NPD 8710.5, Policy for Pressure Vessels and Pressurized Systems	X		X	
NPD 8720.1, NASA Reliability and Maintainability (R&M) Program Policy			X	X
NPD 8730.1, Metrology and Calibration		X	X	
NPD 8730.2, NASA Parts Policy		X	X	
NPD 8730.5, NASA Quality Assurance Program Policy		X	X	

NPR 7900.3, Aircraft Operations Management	X (Currently audited by the Intercenter Aircraft Operations Panel)		X	
NPR 8000.4, Agency Risk Management Procedural Requirements			X	X
NPR 8621.1, NASA Procedural Requirements for Mishap and Close Call Reporting, Investigating, and Recordkeeping	X (Including the Center and resident programs and projects)		X	
NPR 8705.2, Human-Rating Requirements for Space Systems			X	X
NPR 8705.4, Risk Classifications for NASA Payloads			X	X
NPR 8705.5, Technical Probabilistic Risk Assessment (PRA) Procedures for Safety and Mission Success for NASA Programs and Projects			X	X
NPR 8705.6, Safety and Mission Assurance Audits, Reviews, and Assessments	X	X	X	X
NPR 8715.1, NASA Occupational Safety and Health Programs	X		X	
NPR 8715.3, NASA General Safety Program Requirements	X (Chapters related to Center Safety Programs		X	X (Including those chapters related to system safety
NPR 8715.5, Range Flight Safety Program	X (Non-Unmanned Aircraft Systems range operations, including space launch/ entry and scientific balloon operations)		X	
NPR 8715.6, NASA Procedural Requirements for Limiting Orbital Debris			X	X
NPR 8715.7, Expendable Launch Vehicle Payload Safety Program			X	X

NPR 8735.1, Procedures for Exchanging Parts, Materials, and Safety Problem Data Utilizing the Government-Industry Data Exchange Program and NASA Advisories.		X (Including Center operations and programs and projects)	X	
NPR 8735.2, Management of Government Quality Assurance Functions for NASA Contracts		X	X	
NASA-STD-8709.20, Management of Safety and Mission Assurance Technical Authority (SMA TA) Requirements (As required by NPR 8715.3)			X	X
NASA-STD-8719.7, Facility System Safety Guidebook (As required by NPR 8715.3)	X		X	
NASA STD-8719.9, Standard for Lifting Devices and Equipment (As required by NPR 8715.3)	X		X	
NASA-STD-8719.10, Standard for Underwater Facility and Non-Open Water Operations (As required by NPR 8715.3)	X		X	
NASA-STD-8719.11, Safety Standard for Fire Protection (As required by NPR 8715.3)	X		X	
NASA-STD-8719.12, Safety Standard for Explosives, Propellants, and Pyrotechnics (As required by NPR 8715.3)	X		X	
NASA-STD-8719.13, Software Safety Standard (As required by NPR 7150.2)		X	X	
NASA-STD 8719.14, Process for Limiting Orbital Debris (As required by NPR 8715.6)			X	X

NASA-STD-8719.17, NASA Requirements for Ground-Based Pressure Vessels and Pressurized Systems (PVS) (As required by NPD 8710.5)	X		X	
NASA-STD-8739.1, Workmanship Standard for Polymeric Application on Electronic Assemblies (as required by NPD 8730.5)		X	X	
NASA-STD-8739.2, Workmanship Standard for Surface Mount Technology (as required by NPD 8730.5).		X	X	
NASA-STD-8739.3, Soldered Electrical Connections (as required by NPD 8730.5)		X	X	
NASA-STD-8739.4, Crimping, Interconnecting Cables, Harnesses, and Wiring (as required by NPD 8730.5)		X	X	
NASA-STD-8739.5, Fiber Optics Terminations, Cable Assemblies, and Installation (as required by NPD 8730.5)		X	X	
NASA-STD-8739.8, Software Assurance Standard (as required by NPR 7150.2)		X	X	

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